

THE TECH

Boston, Massachusetts.

February 14, 1895.

Volume XIV.

Number 18.

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THE TECH

VOL. XIV.

BOSTON, FEBRUARY 14, 1895.

No. 18.

Тне Тесн

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

CHARLES GILMAN HYDE, '96, Editor in Chief.

EDWARD ARTHUR BALDWIN,'96, Assistant Ed. in Chief.

JOHN HOWLAND GARDINER, '95.

BENJAMIN HURD, Jr., '96.

REGINALD NORRIS, '96.

SHELDON LEAVITT HOWARD, '97.

WILLIAM THORNTON PARKER, '97.

RALPH SPELMAN WHITING, '97

H. P. CODDINGTON, '95, Business Manager.

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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Entered in Post Office, Boston, Mass., as Second Class Matter.



UT a few days since an astonishing statement, which in due time appeared in the Boston papers, was made in the Legislature of Massachusetts, apropos to the request

of our Corporation for an annual State appropriation, whose import was that Technology, so peculiarly a rich man's college, is abundantly capable not only of self-support, but of aggrandizement by a sort of internal growth. So unique a conception of the components of our institution should scarcely be allowed to pass unnoticed. It is true, and it is a fact of which Technology is correspondingly proud, the class of men has in some respects undergone a change during the past few years: a genuine college life and spirit, an enviable college training, has constantly undergone a process of development. Nevertheless, it

must be remembered that a large proportion of students are able, with no more than convenience, to bear the somewhat heavy expenses incident upon a life in a large city, and at a college which, from its very purpose, must require an amount of apparatus and of books which at other places would seem almost incredible. In no particular, however, has this amount passed beyond the limit of consistency.

It is to be hoped that the force of our statements will have been already perceived by that body upon whose action so much depends at this time. In any case, it is a matter for regret that statements with foundations so absolutely erroneous should be advanced, and possibly accepted by a superficial newspaper-reading public.

T is the purpose of THE TECH to publish during the next few weeks a complete list of Thesis subjects upon which Ninety-five men are now engaged. Perhaps in no other way can the breadth and the scope of the training at Technology be more clearly demonstrated than by a careful inspection of the varied subjects which are investigated, coupled with a comprehension of the ability which is required to cope with the accessary problems which constantly arise. So great an interest has of late been taken in this branch of work, that in many cases Theses have acquired a scientific value of importance in many ways. An admirable opportunity is offered to each man for original research in a direction closely connected with the professional life which will be adopted. So far as our knowledge extends, we are aware of no other college in our country where such prominence is attached to this particular line of work.

LMOST the only objection which has been offered to the proposed grant to the Institute, has been the sentiment that no money should be paid from the treasury to a private corporation. In one sense, doubtless, the Institute is a private corporation. Yet, while a private corporation, it is, at the same time, an official institution, an official agent and organ of the State to do a work which the State not only wishes to have done, but has contracted with the United States Government to do. It would seem, then, that Technology is in every way fully entitled to regular State aid, although it has only asked for assistance from the State treasury on one previous occasion, viz., 1887. There need be no fear, then, that a small grant in this severe emergency would pauperize Technology, for we can proudly say that it has been, in the main, a self-supporting institution.

N article in one of the morning papers announces that Technology is practically sure of her \$25,000 a year, or \$150,000 for the whole six years, for which President Walker applied to the State Legislature not long since. Last year a similar request was made by the Worcester Polytechnic Institute and was granted by an almost unanimous vote. The reasons that applied then apply with even greater force now, owing to our superiority in size, and therefore the Legislature will scarcely. depart from such a pronounced precedent. A protest which some laboring men have made will be answered by the creation of ten new public scholarships. These will cost the Institute in tuition about two thousand dollars; not a very heavy burden to bear in the face of the incoming \$150,000. Certainly all Technology men will think that money was never appropriated for a more worthy or more vital object, and that the Legislature will have shown its farsightedness in so doing.

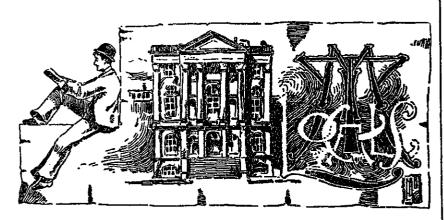
N so far as Technology was concerned, the Boston Athletic Association Games of last Saturday evening were a perfect success. Our old antagonist, Brown, was fairly and squarely beaten in the relay race, and we were correspondingly happy. It is perhaps a matter for regret that so few of our runners were entered in the several events; a fact which was hardly surprising, however, in view of the very brief period which has been granted for training since the late recess. fair representation was made in the forty yards handicap; three men out of the four entered, winning their respective heats from a total of more than one hundred and twenty contestants and sixteen preliminary heats. We again found a place in the second trials and third place in the finals, which, in comparison, is indeed a creditable showing.

One of the most interesting events of the meet was our team race with Brown; each man did his duty well and Technology cannot complain. The time, which was excellent, was second only to that of Harvard against B. A. A., due doubtless to the fact that our last runners were but little pushed. The large delegation of enthusiastic men who cheered lustily for our cause was a feature worthy of commendation. The victory is, we hope, a precursor of success in the Intercollegiate Games next Spring. Brown will work earnestly for first place, which will only be maintained by Technology through constant training and serious effort.

Mr. William E. Davis, Jr., from the Editorial Board of The Tech. His withdrawal, caused by the pressure of Thesis work and other general Senior subjects, only impresses the more strongly the fact that the time is fast approaching when Ninety-five's connection with The Tech must of necessity cease, and that at the present time, no man from the Freshman class has done an amount of work suffi-

cient to entitle him to a position on the Board. It is certainly unnecessary to state in an official way that a larger representation of lower classmen is desirable, and it is doubly needless to allude to the care with which the work of each candidate is scheduled and credited. Although a number of men have been trying for the Board during the past weeks, the work of almost the entire number has been performed in an apparently perfunctory and disinterested manner: many are abundantly capable and well-trained men, but they have in general lacked the important characteristic of actually grasping that which occurs around them. It is unreasonable to suppose that a few locals, with now and then an attempt at editorial work, perhaps advanced irregularly, can be regarded with anything but discredit. Ability, promptness, regularity, heartiness are the qualities which shall be rigidly insisted upon.

The text of the old adage, "A word to the wise," should indeed prove its value within the next few weeks, and as an outcome, we shall expect to announce the elections of several Ninety-seven and Ninety-eight men to the Board of Editors.



The Sophmores distributed their class canes last Thursday.

Several members of the State Legislature inspected the Institute last week.

Junior Architects have begun sketching in the Art Museum, where they will make drawings each week. Mr. O. B. Roberts is giving a course of lectures on the Nature and Function of Patents for Inventions.

Captain Bigelow resumed his lectures on Military Science, on Saturday, February 2d, in Huntington Hall.

The Senior Architects have selected the subjects for thesis work, and have handed them in for approval.

The Freshman class dinner will be held at Young's hotel, February 16th. The cost will be two dollars a plate.

Robert T. Walker, '90, and F. N. Reed have returned to Technology, and are taking special work in design.

A new coat room for the young women studying at the Institute has been built in the rear of Rogers corridor.

The students in Course B, Military Science, will use Wagner's "Security and Information" during the present term.

The Officers of the Corps of Cadets have received invitations to exhibition drills and dances at Brockton and Hyde Park.

Photographs of the Sophomore Football Team are now ready, and may be secured by application to Captain Mansfield.

In place of the monthly dinner of the Mondamin Club this month, a meeting of the club was held in Rogers, Saturday, the 9th.

A course of optional lectures on Heating and Ventilation will be given by Mr. Woodbridge on Saturdays, from 12 to 1, of the present term.

Several of the Senior Electricals inspected the system of interlocking switches and signals of the Boston & Albany railroad at Riverside last Saturday.

Cajétan Dufont, who was a special in Course IV. from '90-93, has been admitted to an architect's practice in Canada after passing a very brilliant examination.

Thomas Thayer Brackett, '96, expects to leave Technology within a week, and return to his home in Minneapolis, where he will enter business with his brother.

The large statue on the first landing of the stairs in the Architectural Building presents a much more striking appearance now that the eagle has been put in its proper place.

The engagement of Thomas Thayer Brackett, '96, to Miss Mary E. Montgomery, of Portsmouth, N. H., has been recently announced. The Tech extends its best wishes.

P. F. Lawrence, '97, is splendidly recovering from the effects of an operation recently performed upon his knee, and will probably be enabled to resume his regular studies this term.

There are a few copies of the Christmas Tech left. These, as well as half-tones of the Glee and Banjo Clubs and 'Varsity Football Team, may be procured at the office of The Tech.

The plan of collecting the unfinished plates after each exercise and allowing no extra time upon them, is causing considerable dissatisfaction among the first-year men taking Mechanical Drawing.

The concert of the Glee, Banjo, and Mandolin Clubs at Smith College on Friday, February 15th, has been canceled, on account of the annual Promenade at Amherst, which occurs on the same evening.

A course of lectures devoted chiefly to science teaching will be given by Professor Sedgwick this term. This course is given for those who intend to become teachers, but all students of the Institute are invited to attend.

In securing engagements for the Glee, Banjo, and Mandolin Clubs, Mr. Drake has been very successful, and the clubs now have about twenty in view. A concert will be given at Lawrence, on Monday, February 18th.

The speakers and subjects of toasts at the Freshman dinner will be as follows: Address by Mr. Hall; "Cupid's Darts," J. G. Leiper; "Verdancy," J. D. Underwood; "Football," Ulmer; "'98-'97," Le Moyne; "Vignettes," Winslow; "Technology," Wadsworth; "Grinds," Gardner; "Track Athletics," Sargent; "The Future of Ninety-eight," R. S. Willis.

Mr. Bartlett, who is conducting the classes in sculpture in Course IV., will begin a series of lectures to-day upon the famous sculptors and painters, and will include among them William M. Hunt and Dr. Rimmer, both of whom have done much toward the promotion of their art in America. The lectures are to be given every Thursday, at 4.15, in Room 12, Architectural Building.

The Class of Ninety-five will regret to learn of the death of George T. Draper, of Canton, Mass. While Mr. Draper was driving near the railroad station, his horse became unmanageable, and carried him directly in front of an incoming train. He was injured severely, and died on the following day. He was formerly a member of Course V., but some time since had left the Institute.

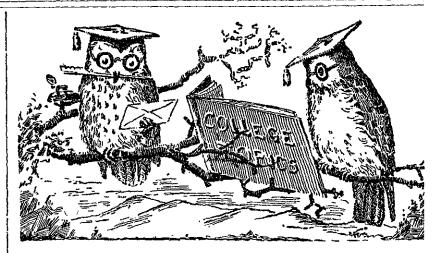
Considerable uneasiness was occasioned last week in the Engineering Laboratory by an accident to the large Emery testing machine. Some loose pieces of iron got into the big screws and injured the threads. At first it was feared that the result would prove serious, but with a large force of men now at work upon it, it is thought that it will be repaired by the end of the week.

A meeting of the Freshman class was held Saturday, the 2d. The meeting had been called by request of a number of men in order to reconsider the decision taken in regard to there being no wine served at the coming class dinner. The total abstainers were, however, in large numbers, and standing by their first

decision the proposed change was promptly voted down. Watterson, Capt. Co. C, spoke briefly concerning the coming competitive drills both in the battalions and with Harvard. A committee consisting of Watterson, Emery, Sanger, and Lambeth was appointed to attend to this matter. R. S. Willis and T. E. Tallmadge were elected directors of the Co-operative Association.

The new Public Library of Boston was first opened on Friday, February 1st, for the inspection of the public, and since that time has been the Mecca of the reading and sight-seeing people of this vicinity. The completion of this imposing building, together with the improvement of Trinity Church, will add greatly to the already beautiful Copley Square. At this time it might be well to remind the students of Technology that the Bursar will, upon application, give a certificate of identification, which, when exchanged for a card, will allow them to draw books from this Library, the largest public collection in our country; a privilege which should be grasped by all who have time to devote to outside reading.

Messrs. Sheridan and Clarke, the Senior Naval Architects who made a trip to Jamaica during the vacation for thesis work, returned home Tuesday, after a most novel and exciting experience. The southern trip was made on the ship Brookline, one of the large fruit steamers plying between Boston and Jamaica, and during the trip a very successful series of tests was obtained. While there they were most cordially entertained by the president of the S. S. Company, given frequent carriage drives about the island, and sails along the coast in the Company's launch. The trip home was a most exciting one. They were off Cape Cod on the night of the terrible fourth of February, and their experience there will probably never be forgotten. Mr. F. T. Miller, who was on the test, remained over until the following trip.



Six of Yale's winning crew of last year are in college.

A Freshman banjo club has been organized at Princeton.

Caps and gowns were worn by the graduating classes of nine New England colleges last year.

Cadet Edward L. King has been re-elected captain of the West Point football team for next year.

The first college paper in the United States was published at Dartmouth. Daniel Webster was editor.

Princeton has refused the University of Pennsylvania's challenge for dual field and track athletic games this spring.

From 1889 to 1894 Yale has had a total of twenty-two on the All-America football teams; Princeton twenty-one, Harvard eighteen, and Pennsylvania five. No other college has been represented.

The trustees of Dartmouth College have formally accepted the designs of a New York architect for buildings to be erected on the proposed new quadrangle. Within three years the quadrangle will be completed, at an expense of \$1,000,000.

At Brown Freshmen are adopted formally into the University on an annual matriculation day, falling this year on January 11th, when they are given the right hand of fellowship by the President. The custom goes back to the time when members of the University were partially exempt from civil law.

The B. A. A. Games.

ONCE more a large and enthusiastic audience has filled Mechanics Hall to witness the annual games of the Boston Athletic Association, but never before has the meet proved so interesting and well conducted. From beginning to end the events were run off with a snap and dash that might be emulated to advantage by other athletic associations. mile invitation race was one of the prettiest races ever run, and the excitement at the finish was intense. The list of entries in the different events was very large,—Harvard, Pennsylvania, Brown, Amherst, Dartmouth, and Union being among the colleges represented, while the stars of both well-known and obscure athletic clubs swelled the number of competitors. Although Technology did not have many entries, she was well represented in the audience, and at the finish of the team race groups of Tech men sprang up everywhere to shout the familiar "long cheer."

The first event of the evening was the 40-yards dash. In this Technology, with but four entries, captured three first places in the trial heats, and third place in the final heat. A. Sargeant, '98, won the third heat, E. A. Boeseke, '95, the fourth, and R. W. Carr, '95, the sixteenth. In the semi-finals Carr alone was able to secure a place, and he finished a good third in the final heat.

Outside of the 40-yards dash Technology did next to nothing in the open events. In the 440-yards run, the potato race, the running high jump, and putting the shot, Technology was not represented at all.

By far the most important event of the evening, in the minds of the Tech men present, was the team race with Brown. When Captain Thomas and his three runners took their places at the starting line they were cheered to the echo, and a great deal of interest in the race was shown by the spectators, as a whole.

Thomas of Technology, and O'Brien of Brown, were the first men to run, and the

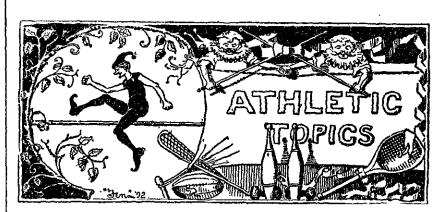
former by starting well, gained several yards on his opponent. Backenhus of Technology, and Hull of Brown, were the second pair, and little of Thomas' lead was lost. Hall of Brown and Cummings of Technology were also evenly matched, and the third relay closed with Technology leading, but by a short distance. The last men were Rockwell of Technology and Adams of Brown, and the former showed his usual form and increased the lead, finishing a winner by half a lap.

The result of the team race was greeted with much cheering, and Technology has every reason to be proud of the four men who represented it against Brown.

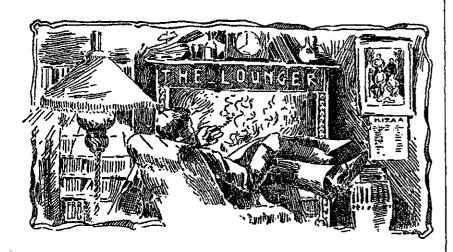
The teams:--

Technology.	Brown.
J. W. Thomas (Capt.)	D. F. O'Brien
R. E. Backenhus.	E. T. Hull.
H. J. Cummings.	F. L. Hall.
J. A. Rockwell.	Scott Adams.

Time, 3 minutes, 19½ seconds.



The Executive Committee of the M. I. T. A. C. met in Room 30 R., last week, and arranged for a set of open scratch games to be held in the gymnasium March 9th, at 8 p. m. The events are open to all amateurs in New England, and handsome first, second, and third prizes will be given in each event. The events are as follows: Thirty-five-yard dash; 35-yard dash (open only to M. I. T. novices); 40-yard high hurdles (3 hurdles); pole vault; shot; three standing jumps; running high jump; potato race (8 potatoes 2 yards apart),



THE Lounger sighs an appropriately tender sigh at the presence of an ancient feast. St. Valentine's Day, well weighted with the effusions of lovelorn swain and meek-eyed maid, is doing its best to keep up the traditions of long ago, and the Lounger is glad. Too much of the pretty spirit characteristic of the day has been lost, and though the youths and maidens of the present time manage to exist without the old-time celebration of Cupid's feast, yet the Lounger mourns its decadence. Nevertheless, together with the "time to sing and time to dance," there exists a time to send valentines,—which time is now upon us. To the ambitious Freshman who desires to please the charmer at home, the Lounger would suggest that nothing is more appropriate than some lines of original verse,—this being the only kind which may be said to be infallibly successful,—gracefully entwined about with a chain of fractured hearts strung on a blue ribbon. There is, however, no need of visiting the biological lab. in search of an accurate diagram of this organ, the conventional design being quite as efficient and more susceptible of correct delineation. The verse should be full of fervor, plentifully supplied with "love" and "dove," contain a rhyme on "beauty rare," "face so fair," or something of the sort, and end up with "Valentine," which rhymes with "thine," found further up in the stanza. The Lounger assures his readers that these points will prove particularly fetching. For such as are not gifted with the divine afflatus the Lounger has some hundred pounds of rejected sonnets, rondeaux, triolets, and quatrains in stock, which may be had for the asking. These suggestions the Lounger throws out gratis, and he trusts they may prove profitable to those that need them.

Another suggestion which may be worthy of mention is that the appearance just now of Sophomore canes is a somewhat tardy reminder of a well-won victory last autumn. The stick in question, though

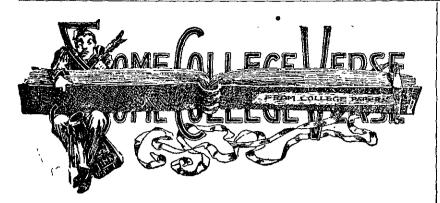
somewhat overburdened with a superfluity of silver, appears to be of a prepossessing and engaging appearance, such as may well accompany the festive Sophomore on his evening perambulations. Lounger doubts not the right of these gentry to sport their canes with all possible elan, but he can only suggest, as he did a year ago to Ninety-six, that the appearance of these sticks at this late day hardly fulfills its obvious object of commemorating the winning of a well-contested cane rush.

It seems that the Juniors are soon to experience their annual celebration. A hasty glimpse over the toastmaster's shoulder reveals a plentitude of toasts, each accompanied by carefully concocted quotations worthy of the "Technique's" best efforts. Virtuous

Freshman and gay Junior banquet in the near future, and the Lounger urges both classes to do their prettiest.

The mention of "Technique" is a reminder that "wit's last edition is now i' the press." Technology has great hopes for this to-be the latest addition to her store of bookishness, and the Lounger trusts that its advent will not cause the hurried flight of too many weary ones. 'Tis well indeed that a beneficent veil hides the future from our penetrating gaze; for could some but see the insidious efforts of the grind fiend in their behalf, there would surely be much general cleaning up and packing of trunks which can be, and is just as well, deferred till after the date of publication. But the Lounger trusts that the outcome may be peaceful. Those who are yearly reduced to a state of powder must by this time be fairly innoculated, and though the Lounger surmises that they will this year receive their full share of attention, he trusts that no unexpected access of the "sha'n't play" spirit will cause any wrathy evacuations. With those who for the first time feel the sting of a well-directed grind, the Lounger sympathizes, but would comfort them with the assurance that they will, like the chivalric autocrat of the Freshman Drawing Room, soon become hardened. Meantime, there is naught to do but to wait, and when Ninety-six puts forth the result of her editors' hard labors, we shall, indeed, see what we shall see.

The Lounger has been interested to note to what unexpected uses a college paper may be put. He has no particular enmity against the Christian Union, or its all-important successor, but he was nevertheless amused to see The Tech utilized last week as an instrument for the dissemination of tracts.



UNREASONABLE.

For lack of coat of arms
The modern maiden grieves;
But has she not a coat whose cut
Is nothing else but sleeves?

-Trinity Tablet.

When I see Wealth and Cupid Run a bitter race, I bet on Cupid, ten to one— For second place.

-Ex.

ECCE CAUSA.

O glorious muse
Come interfuse
Thy spirit through my soul,
For I must write
This very night—
I need a ton of coal.

–Brunonian.

A FALSE CREATURE.

False are her loving eyes of blue,
False are her eyes so fair,
And false—more false by far than both—
Is her sunny golden hair.

-Princeton Tiger.

WHICH WAS TO BE PROVED.

When Marguerite refused me,
I asked the reason why,
And looking up inquiringly
She gave me this reply:

- "You've said my hair was golden;
 My lips were ruby, too;
 You've often spoke of pearly teeth."
 "Yes," I said, "it's true."
- "You've also mentioned glowing orbs
 That shine like diamonds bright,
 As well as an alabaster neck."
 "Yes," I said, "you're right."
- "Now, diamonds, gold, and precious stones,
 Are they in keeping quite
 With a man who hasn't a cent in the world?"
 "No," I said; "you're right."

Ι.

Medical Student.

Lots of originality.

Bold dissection.

Peculiar abnormality.

II.

Reports discovery.
Proud, wise face
Receives reply
5000th case!

-The Æsculapian.

FLUNKS, THEIR CAUSE.

Quoth the Prof.:

- "A fool can ask questions
 Which a wise man
 Cannot answer."
 Quoth the student:
- "I suppose that's the reason Why so many of us Flunk, sir."

-McMicken Review.

A PARADOX.

Though the college man may,
In his own specious way,
Tell a story whose fictions appal,
But be certain that when
You enter his den,
You will surely find Truth on his wall.
—Lehigh Burr.

THE RHYME OF A HAND.

I'm sitting alone to-night by the fire,
Alone with my old pipe, and,
As I send the graceful blue rings higher,
I dream of a dainty hand,—
Of a little hand I held last night,
The fairest in all the land.

My heart leaps high with the flickering flame
As I live that moment o'er;
And my pipe's odoriferous smoke's the same
As an incense burnt before
The shrine of that hand I held last night:
I pull at my pipe once more.

But my heart sinks low as the fitful blaze,
For where's the joy that can last?
My pipe is out, and as cold as the ways
In which my life has been cast.
Ah, dear little hand that I held last night,
Could I but recall the past!

The future may hold many joys in store,
May honor, e'en glory bring;
But can it e'er give what I value more
Than the little hand I sing?
The little hand I held last night,—
'Twas four aces and a king.

-Lafayette.

-Ex.

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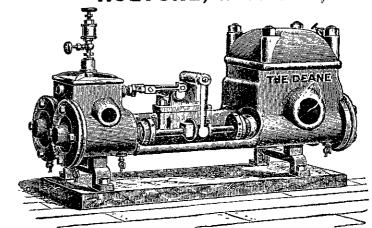
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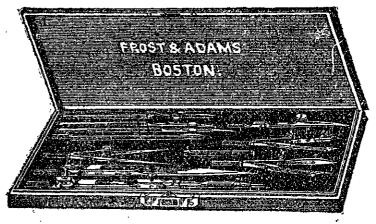
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